

## **Amendments to the claims**

This listing of claims replaces all prior versions, and listing, of claims in this application.

### **Listings of claims:**

Claims 1-26 are cancelled.

Claim 27 (amended)

A longitudinal-torsional resonator comprising

a connection point for receiving longitudinal vibration;

a tip for contacting biological tissue;

and at least one portion located between said contact point and said tip having an a symmetrical spiral inhomogeneous cross section.

Claim 28. (amended)

A longitudinal-torsional resonator comprising

a connection point for receiving torsional vibration;

a tip for contacting biological tissue;

and at least one portion located between said contact point and said tip having an a symmetrical spiral inhomogeneous cross section.

Claim 29. (amended)

A longitudinal-torsional resonator comprising

a connection point for receiving longitudinal vibration;

a tip for contacting biological tissue;

at least one portion located between said contact point and said tip  
having a symmetrical spiral inhomogeneous cross section;

and at least one hole extending from said tip to said connection  
point.

Claim 30. (amended)

A longitudinal-torsional resonator comprising

a connection point for receiving torsional vibration;

a tip for contacting biological tissue;

at least one portion located between said contact point and said tip  
having a symmetrical spiral inhomogeneous cross section;

and at least one hole extending from said tip to said connection  
point.